LS-DYNA

Category: Licensed Application Software

DRAFT

This article is being reviewed for completeness and technical accuracy.

LS-DYNA is a general-purpose transient dynamic finite element program capable of simulating complex real world problems. It is optimized for shared- and distributed-memory Unix, Linux, and Windows based, platforms.

Current license (good until Aug. 31, 2011) allows upto 4 CPUs.

Typical usage:

```
ls971d NCPUS=$OMP_NUM_THREADS I=**.key

mpiexec -np xx mpp971d I=**.key
```

Use the lstc_qrun command to check how many CPUs are using the license. Use the lstc_qkill command to release the license if it is not released automatically after a job is terminated.

For more information, please visit the LS-DYNA web page.

See also:

http://en.wikipedia.org/wiki/LS-DYNA

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Computing at NAS -> Software Environment -> Licensed Application Software -> LS-DYNA
http://www.nas.nasa.gov/hecc/support/kb/entry/120/?ajax=1